

Abstract

A system and method for capturing high-speed motion. A video camera and an infrared strobe light are connected to a video synchronization separator circuit. The video synchronization separator circuit fires the infrared strobe light as a result of receiving a signal from the video camera. The video synchronization separator circuit may be configured to fire the infrared strobe light after a settable delay period. Preferably, an infrared bandpass filter is employed over the lens of the video camera. A video recorder may be connected to the video camera. Preferably, the video recorder has the ability to play back in a single frame mode. A monitor may be connected to the video recorder. The video synchronization separator circuit is configured to extract a vertical synchronization pulse from the signal received from the video camera, and use said vertical synchronization pulse to provide a triggering signal to the infrared strobe light.